

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with **Tim Nitsch** on April 7, 2011 to amend the claims as following:

**Claim 1: (Currently amended)** An information processing system comprising:

[(1)] a first information processing apparatus and an authentication device comprising  
a second information processing apparatus,

said first information processing apparatus comprising:

[(a)] a storage means which stores a first biological identification data associated with a predetermined portion of a subject's living body, and

[(b)] a first communication means for performing communication when held proximate to the predetermined portion of the subject's living body,

said authentication device comprising: [second information processing apparatus comprising (a)]

a biological sensor which detects biological information from the subject's living body;

[(b)] a second communication means connected to the second information processing apparatus and which communicates with the first communication means;

**said second information processing apparatus comprising:**

[and (c)] an extraction means which extracts a second biological identification data from the biological information detected by the biological sensor while the first communication means transmits the first biological [information] **identification data** to the second communication means; **and**

[(2)] a biological authentication means which performs biological authentication, based on the second biological identification data and on the first biological identification data;

[(3)] a network connected to the second information processing apparatus; [and]

[(4)] **the** authentication device connected to the network that performs mutual authentication between the first information processing apparatus **and a management server** [via] **using** the second information processing apparatus [and] **connecting to** a management server via the network,

wherein,

if mutual authentication **between the first information processing apparatus and the management server** is confirmed by the authentication device, the first information processing apparatus and the second information processing apparatus exchange [encryption] information **for encrypting and decrypting the first biological information.**

**Claim 2: (Currently amended)** An **authentication device** [information processing apparatus] comprising:

a biological sensor which detects biological information from a living body when held proximate to a predetermined position of the living body;

a communication target which stores biological identification data;  
a near-distance communication means which communicates with the communication target;

an extraction means which extracts biological identification data from the biological information detected by the biological sensor while the communication target transmits the stored biological identification data to the [second] near-distance communication means;

a biological authentication means which compares the stored biological identification data with the detected biological identification data;

a network connected to the near distance communication means; and

an authentication [device] processing unit connected to the network that performs mutual authentication between the communication target and a management server via the near-distance communication means and the network connected to the [a] management server [connected to the network],

wherein,

if mutual authentication between the communication target and the management server is confirmed by the authentication processing unit, the communication target and the near distance communication [means] exchange [encryption] information for encrypting and decrypting the stored biological identification data.

**Claim 9: (Currently amended)** An information processing [apparatus] system comprising:

equipment means which is equipped on a predetermined portion of a living body and has  
(1) a storage means which stores a first biological identification data associated with the

predetermined portion of the living body; and (2) a communication means which is held by the equipment means and transmits the first biological identification data directly to a communication target to which the predetermined portion equipped with the equipment means is brought close;

a biological authentication means which performs biological authentication, based on the first biological identification data and on a second biological identification data, said second biological identification data being extracted from biological information detected by a biological sensor while the communication means transmits the first biological identification data to the communication target;

a network connected to the biological authentication means; and

an authentication [device] processing unit connected to the network that performs mutual authentication between the equipment means and a management server via the biological authentication means connecting to the [and a] management server via the network, wherein,

if mutual authentication between the equipment and the management server is confirmed by the authentication processing unit [device], the equipment means and the biological authentication means exchange [encryption] information for encrypting and decrypting the first biological identification data.

### Reasons for Allowance

3. The following is an examiner's statement of reasons for allowance:

a). **Claim 1** is allowable because prior art fails to teach or suggest, either alone or in combination, in amended independent **claim 1** with specific given to the system wherein the

authentication device, comprising the second information processing apparatus, connected to the management server via the network to perform the mutual authentication between the management server and the first information processing apparatus, if mutual authentication between the first information processing apparatus and the management server is confirmed by the authentication device, the first information processing apparatus and the second information processing apparatus exchange information for encrypting and decrypting the first biological information stored in the storage of the first information processing apparatus and the biological authentication which performs biological authentication, based on the second biological identification data extracted from the biological information detected by the biological sensor while the first information processing apparatus transmits the first biological identification data to the second communications means.

b). **Claim 2** is allowable because prior art fails to teach or suggest, either alone or in combination, in amended independent **claim 2** with specific given to the system wherein the authentication processing unit connected to the management server via the network to perform the mutual authentication between the management server and the communication target, if mutual authentication between the communication target and the management server is confirmed by the authentication processing unit, the communication target and the near distance communication exchange information for encrypting and decrypting the stored biological identification data stored in the communication target and the biological authentication means which compares the stored biological identification data, that transmitted from the communication target, with the detected biological identification data, that detected by the

biological sensor while the communication target transmits the stored biological identification data to the near-distance communication means.

c). **Claim 9** is allowable because prior art fails to teach or suggest, either alone or in combination, in amended independent **claim 9** with specific given to the system wherein the authentication processing unit connected to the management server via the network to perform the mutual authentication between the management server and the equipment means if mutual authentication between the equipment means and the management server is confirmed by the authentication processing unit, the equipment means and the biological authentication means exchange information for encrypting and decrypting the first biological identification data stored in the equipment storage and the biological authentication means which performs biological authentication, based on the first biological identification data, which transmitted directly from to the communication target, and on a second biological identification data, said second biological identification data being extracted from biological information detected by a biological sensor while the communication means transmits the first biological identification data to the communication target.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to QUANG PHAM whose telephone number is (571)-270-3668. The examiner can normally be reached on Monday - Thursday 9:00 AM - 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, BENJAMIN LEE can be reached on (571)-272-2963. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/QUANG PHAM/

Examiner, AU 2612

/BENJAMIN C. LEE/

Supervisory Patent Examiner, Art Unit 2612